

CLAIMS

5 1. A method for limiting the quality of service (QoS) of data transmission in a wireless telecommunications system which comprises at least one terminal and a fixed network which comprises a database for storing subscriber data, the method comprising:

defining the quality of service of data transmission by means of quality of service parameters;

defining a subscriber-specific maximum value for at least one quality of service parameter;

10 storing the subscriber-specific maximum value of the at least one quality of service parameter in the database comprising the subscriber data;

15 checking, in response to the request made by the terminal for connection establishment defined with at least one quality of service parameter, the subscriber-specific maximum value of the quality of service parameter in the database comprising the subscriber data;

comparing the at least one quality of service parameter requested by the terminal with the subscriber-specific maximum value of the quality of service parameter; and

20 offering connection establishment with lower values of the quality of service parameters to the terminal to be accepted in response to the fact that at least one of the quality of service parameters requested by the terminal exceeds the maximum value defined for the quality of service parameter or the resources of the system.

25 2. A method according to claim 1, wherein the method is implemented in a packet-switched data transmission system in connection with the wireless telecommunications system, such as the GPRS system.

30 3. A method according to claim 1, wherein the method is implemented in a circuit-switched data transmission system in connection with the wireless telecommunications system, such as the HSCSD system.

35

Sub A1  
4. A method according to claim 1, wherein  
the method is implemented in an intelligent network-based data  
transmission system in connection with the wireless telecommunications  
system, such as the CAMEL system.

5  
5. A method according claim 1, wherein  
the quality of service parameters comprise at least one of the  
following parameters: data rate, delay, error ratio, multislot class.

10  
6. A method according to claim 1, wherein  
at least one subscriber-specific maximum value of the quality of  
service parameter is defined on the basis of another parameter, such as the  
time or location of the terminal.

15  
7. A method according to claim 1, wherein  
the service provider defines the maximum value of at least one  
subscriber-specific quality of service parameter.

20  
8. A wireless telecommunications system which comprises at least  
one terminal and a fixed network which comprises a database for storing  
subscriber data, wherein the quality of service of data transmission is defined  
by means of quality of service parameters in the system;

a subscriber-specific maximum value is defined for at least one  
quality of service parameter;

25  
the subscriber-specific maximum value of the at least one quality of  
service parameter is stored in the database comprising the subscriber data;

the terminal is configured to request connection establishment  
defined with at least one quality of service parameter;

30  
the subscriber-specific maximum value of the quality of service  
parameter is configured to be checked in the database comprising the  
subscriber data;

the at least one quality of service parameter requested by the  
terminal is compared with the subscriber-specific maximum value of the quality  
of service parameter; and

35  
connection establishment with lower values of the quality of service  
parameter is configured to be offered to the terminal to be accepted in

Sub  
h1  
response to the fact that at least one of the quality of service parameters requested by the terminal exceeds the maximum value defined for the quality of service parameter or the resources of the system.

5 9. A telecommunications system according claim 8, wherein the system comprises a wireless circuit-switched data transmission system, such as the GPRS system.

10 10. A telecommunications system according to claim 8, wherein the system comprises a wireless circuit-switched data transmission system, such as the HSCSD system.

15 11. A telecommunications system according to claim 8, wherein the system comprises an intelligent network-based data transmission system, such as the CAMEL system.

20 12. A telecommunications system according to claim 8, wherein the quality of service parameters comprise at least one of the following parameters: data rate, delay, error ratio, multislot class.

25 13. A telecommunications system according to claim 8, wherein at least one subscriber-specific maximum value of the quality of service parameter is configured to be defined by means of another parameter, such as the time or location of the terminal.

14. A telecommunications system according to claim 8, wherein at least one subscriber-specific maximum value of the quality of service parameter is arranged to be defined by the service provider.